

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/642,284 B
Source: IFW16
Date Processed by STIC: 11/16/2006

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 11/16/2006

PATENT APPLICATION: US/10/642,284B

TIME: 11:43:30

Input Set : A:\2006-11-13 4600-0106P.ST251.txt

Output Set: N:\CRF4\11162006\J642284B.raw

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3 <110> APPLICANT: KUMAGAI, Izumi et al.
5 <120> TITLE OF INVENTION: NOVEL DIABODY-TYPE BISPECIFIC ANTIBODY
7 <130> FILE REFERENCE: 4600-0106P
9 <140> CURRENT APPLICATION NUMBER: US 10/642,284B
10 <141> CURRENT FILING DATE: 2003-08-18
12 <150> PRIOR APPLICATION NUMBER: JP 2003-038643
13 <151> PRIOR FILING DATE: 2003-02-17
15 <160> NUMBER OF SEQ ID NOS: 46
17 <170> SOFTWARE: PatentIn version 3.1
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 33
21 <212> TYPE: DNA
22 <213> ORGANISM: Artificial Sequence
24 <220> FEATURE:
25 <223> OTHER INFORMATION: A NcoI-5H back primer
27 <220> FEATURE:
28 <221> NAME/KEY: misc_feature
29 <222> LOCATION: (1)..(3)
30 <223> OTHER INFORMATION: n is a, c, g, or t
32 <400> SEQUENCE: 1
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36 <210> SEQ ID NO: 2
37 <211> LENGTH: 28
38 <212> TYPE: DNA
39 <213> ORGANISM: Artificial Sequence
41 <220> FEATURE:
42 <223> OTHER INFORMATION: B 5H-EagI forward primer
44 <220> FEATURE:
45 <221> NAME/KEY: misc_feature
46 <222> LOCATION: (1)..(3)
47 <223> OTHER INFORMATION: n is a, c, g, or t
49 <400> SEQUENCE: 2
W--> 50 nnnccggccga ggagactgtg agagtgg      28
53 <210> SEQ ID NO: 3
54 <211> LENGTH: 26
55 <212> TYPE: DNA
56 <213> ORGANISM: Artificial Sequence
58 <220> FEATURE:
59 <223> OTHER INFORMATION: C EcoRV-5L back primer
61 <220> FEATURE:
62 <221> NAME/KEY: misc_feature
63 <222> LOCATION: (1)..(3)
64 <223> OTHER INFORMATION: n is a, c, g, or t

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66 <400> SEQUENCE: 3
W--> 67 nnngatatcc taatgaccca atctcc          26
70 <210> SEQ ID NO: 4
71 <211> LENGTH: 29
72 <212> TYPE: DNA
73 <213> ORGANISM: Artificial Sequence
75 <220> FEATURE:
76 <223> OTHER INFORMATION: D 5L-SacII forward primer
78 <220> FEATURE:
79 <221> NAME/KEY: misc_feature
80 <222> LOCATION: (1)..(3)
81 <223> OTHER INFORMATION: n is a, c, g, or t
83 <400> SEQUENCE: 4
W--> 84 nnnccgcggc acgtttgatt tccagcttg          29
87 <210> SEQ ID NO: 5
88 <211> LENGTH: 32
89 <212> TYPE: DNA
90 <213> ORGANISM: Artificial Sequence
92 <220> FEATURE:
93 <223> OTHER INFORMATION: E NcoI-h5H back primer
95 <220> FEATURE:
96 <221> NAME/KEY: misc_feature
97 <222> LOCATION: (1)..(3)
98 <223> OTHER INFORMATION: n is a, c, g, or t
100 <400> SEQUENCE: 5
W--> 101 nnnccatggc ccaggtgcaa ctgggttcaga gc          32
104 <210> SEQ ID NO: 6
105 <211> LENGTH: 29
106 <212> TYPE: DNA
107 <213> ORGANISM: Artificial Sequence
109 <220> FEATURE:
110 <223> OTHER INFORMATION: F h5H-EagI forward primer
112 <220> FEATURE:
113 <221> NAME/KEY: misc_feature
114 <222> LOCATION: (1)..(3)
115 <223> OTHER INFORMATION: n is a, c, g, or t
117 <400> SEQUENCE: 6
W--> 118 nnnccggccga gctcacggta accagcgta          29
121 <210> SEQ ID NO: 7
122 <211> LENGTH: 23
123 <212> TYPE: DNA
124 <213> ORGANISM: Artificial Sequence
126 <220> FEATURE:
127 <223> OTHER INFORMATION: G EcoRV-hOL back primer
129 <220> FEATURE:
130 <221> NAME/KEY: misc_feature
131 <222> LOCATION: (1)..(3)
132 <223> OTHER INFORMATION: n is a, c, g, or t
134 <400> SEQUENCE: 7

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W--> 135 nnngatatcc agatgaccca gag                23
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      139 <211> LENGTH: 23
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      141 <213> ORGANISM: Artificial Sequence
      143 <220> FEATURE:
      144 <223> OTHER INFORMATION: H hOL-SacII forward primer
      146 <220> FEATURE:
      147 <221> NAME/KEY: misc_feature
      148 <222> LOCATION: (1)..(3)
      149 <223> OTHER INFORMATION: n is a, c, g, or t
      151 <400> SEQUENCE: 8
W--> 152 nnnccgcggc gcggttaac tgc                23
      155 <210> SEQ ID NO: 9
      156 <211> LENGTH: 26
      157 <212> TYPE: DNA
      158 <213> ORGANISM: Artificial Sequence
      160 <220> FEATURE:
      161 <223> OTHER INFORMATION: I NcoI-hOH back primer
      163 <220> FEATURE:
      164 <221> NAME/KEY: misc_feature
      165 <222> LOCATION: (1)..(3)
      166 <223> OTHER INFORMATION: n is a, c, g, or t
      169 <400> SEQUENCE: 9
W--> 170 nnnccatggc ccaggtgcaa ctggtg            26
      173 <210> SEQ ID NO: 10
      174 <211> LENGTH: 23
      175 <212> TYPE: DNA
      176 <213> ORGANISM: Artificial Sequence
      178 <220> FEATURE:
      179 <223> OTHER INFORMATION: J hOH-EagI forward primer
      181 <220> FEATURE:
      182 <221> NAME/KEY: misc_feature
      183 <222> LOCATION: (1)..(3)
      184 <223> OTHER INFORMATION: n is a, c, g, or t
      186 <400> SEQUENCE: 10
W--> 187 nnncggccga gctaacggtc acc                23
      190 <210> SEQ ID NO: 11
      191 <211> LENGTH: 26
      192 <212> TYPE: DNA
      193 <213> ORGANISM: Artificial Sequence
      195 <220> FEATURE:
      196 <223> OTHER INFORMATION: K EcoRV-h5L back primer
      198 <220> FEATURE:
      199 <221> NAME/KEY: misc_feature
      200 <222> LOCATION: (1)..(3)
      201 <223> OTHER INFORMATION: n is a, c, g, or t
      203 <400> SEQUENCE: 11
W--> 204 nnngatatcg tgatgaccca gagccc            26

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Input Set : A:\2006-11-13 4600-0106P.ST251.txt

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207 <210> SEQ ID NO: 12
 208 <211> LENGTH: 36
 209 <212> TYPE: DNA
 210 <213> ORGANISM: Artificial Sequence
 212 <220> FEATURE:
 213 <223> OTHER INFORMATION: L h5L-SacII forward primer
 215 <220> FEATURE:
 216 <221> NAME/KEY: misc_feature
 217 <222> LOCATION: (1)..(3)
 218 <223> OTHER INFORMATION: n is a, c, g, or t
 220 <400> SEQUENCE: 12
 W--> 221 nnnccgcggc gcgtttaatt tccactttgg tgccac 36
 224 <210> SEQ ID NO: 13
 225 <211> LENGTH: 27
 226 <212> TYPE: DNA
 227 <213> ORGANISM: Artificial Sequence
 229 <220> FEATURE:
 230 <223> OTHER INFORMATION: Synthesized nucleotide M h5H-M48I(+)
 232 <400> SEQUENCE: 13
 233 gcctggaatg gattggtaac atttatc 27
 236 <210> SEQ ID NO: 14
 237 <211> LENGTH: 27
 238 <212> TYPE: DNA
 239 <213> ORGANISM: Artificial Sequence
 241 <220> FEATURE:
 242 <223> OTHER INFORMATION: Synthesized nucleotide N h5H-M48I(-)
 244 <400> SEQUENCE: 14
 245 gataaatgtt accaatccat tccaggc 27
 248 <210> SEQ ID NO: 15
 249 <211> LENGTH: 21
 250 <212> TYPE: DNA
 251 <213> ORGANISM: Artificial Sequence
 253 <220> FEATURE:
 254 <223> OTHER INFORMATION: Synthesized nucleotide O h5H-A93T(+)
 256 <400> SEQUENCE: 15
 257 tattactgca cgcgcagtgg c 21
 260 <210> SEQ ID NO: 16
 261 <211> LENGTH: 21
 262 <212> TYPE: DNA
 263 <213> ORGANISM: Artificial Sequence
 265 <220> FEATURE:
 266 <223> OTHER INFORMATION: Synthesized nucleotide P h5H-A93T(-)
 268 <400> SEQUENCE: 16
 269 gccactgcgc gtgcagtaat a 21
 272 <210> SEQ ID NO: 17
 273 <211> LENGTH: 38
 274 <212> TYPE: DNA
 275 <213> ORGANISM: Artificial Sequence
 277 <220> FEATURE:

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Input Set : A:\2006-11-13 4600-0106P.ST251.txt

Output Set: N:\CRF4\11162006\J642284B.raw

278 <223> OTHER INFORMATION: Synthesized nucleotide Q h5H-R66KR71V(+)
 280 <400> SEQUENCE: 17
 281 atttaagaac aaagtgacca tgacggttga taccagca 38
 284 <210> SEQ ID NO: 18
 285 <211> LENGTH: 38
 286 <212> TYPE: DNA
 287 <213> ORGANISM: Artificial Sequence
 289 <220> FEATURE:
 290 <223> OTHER INFORMATION: Synthesized nucleotide R h5H-R66KR71V(-)
 292 <400> SEQUENCE: 18
 293 tgctggtatc aaccgtcatg gtcactttgt tottaaatt 38
 296 <210> SEQ ID NO: 19
 297 <211> LENGTH: 21
 298 <212> TYPE: DNA
 299 <213> ORGANISM: Artificial Sequence
 301 <220> FEATURE:
 302 <223> OTHER INFORMATION: Synthesized nucleotide S h5H-Y27D(+)
 304 <400> SEQUENCE: 19
 305 gcctcaggcg atacctttac g 21
 308 <210> SEQ ID NO: 20
 309 <211> LENGTH: 21
 310 <212> TYPE: DNA
 311 <213> ORGANISM: Artificial Sequence
 313 <220> FEATURE:
 314 <223> OTHER INFORMATION: Synthesized nucleotide T h5H-Y27D(-)
 316 <400> SEQUENCE: 20
 317 cgtaaaggta tcgcctgagg c 21
 320 <210> SEQ ID NO: 21
 321 <211> LENGTH: 35
 322 <212> TYPE: DNA
 323 <213> ORGANISM: Artificial Sequence
 325 <220> FEATURE:
 326 <223> OTHER INFORMATION: Synthesized nucleotide U h5H-M69LT73R(+)
 328 <400> SEQUENCE: 21
 329 caaagtgacc ctgacggttg atcgagcat ttoga 35
 332 <210> SEQ ID NO: 22
 333 <211> LENGTH: 35
 334 <212> TYPE: DNA
 335 <213> ORGANISM: Artificial Sequence
 337 <220> FEATURE:
 338 <223> OTHER INFORMATION: Synthesized nucleotide V h5H-M69LT73R(-)
 340 <400> SEQUENCE: 22
 341 tcgaaatgct gcgatcaacc gtcagggtca ctttg 35
 344 <210> SEQ ID NO: 23
 345 <211> LENGTH: 30
 346 <212> TYPE: DNA
 347 <213> ORGANISM: Artificial Sequence
 349 <220> FEATURE:
 350 <223> OTHER INFORMATION: Synthesized nucleotide W h5H-I75SS76RA78V(+)

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/642,284B

DATE: 11/16/2006
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Input Set : A:\2006-11-13 4600-0106P.ST251.txt
Output Set: N:\CRF4\11162006\J642284B.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 1, 2, 3 /
Seq#:2; N Pos. 1, 2, 3 /
Seq#:3; N Pos. 1, 2, 3 /
Seq#:4; N Pos. 1, 2, 3 /
Seq#:5; N Pos. 1, 2, 3 /
Seq#:6; N Pos. 1, 2, 3 /
Seq#:7; N Pos. 1, 2, 3 /
Seq#:8; N Pos. 1, 2, 3 /
Seq#:9; N Pos. 1, 2, 3 /
Seq#:10; N Pos. 1, 2, 3 /
Seq#:11; N Pos. 1, 2, 3 /
Seq#:12; N Pos. 1, 2, 3 /

VERIFICATION SUMMARY

DATE: 11/16/2006

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Input Set : A:\2006-11-13 4600-0106P.ST251.txt

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L:33 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:50 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:67 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:84 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:101 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:118 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:135 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
L:152 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:170 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:187 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
L:204 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
L:221 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0